

ABSTRACT

Disclosed is a transmitter which achieves a permanently high security standard in an inexpensive manner. The inventive transmitter comprises a set of identically built sensors (1, 21, 23) for measuring a physical parameter, a set of electronic circuits (5), each of which is assigned to a sensor (1) and conditions an electrical signal that is generated by the assigned sensor (1) and corresponds to the physical parameter, and an output unit (17, 25) to which the conditioned electrical signals of all sensors (1) are fed. Said output unit (17, 25) generates a measuring signal from the conditioned electrical signals, makes said measuring signal available for further evaluation, processing, and/or display, and generates information about the plausibility of the measuring signal and/or information about the operability of the individual sensors (1).